19/6/18- 01(h)

# BRUHATH BANGALORE MAHANAGARA PALIKE
## Work SLIP P.W.G.71

**Name of work:** Comparative statement work slip Qty. of Modified estimate for the work Improvements & Asphalting of Ravindranagara 3rd main & other roads in Ward No.13 in Shettyhalli Sub-Division

**Work order No:-EE/DD/WO/368/2014-15, Date:31.03.2015**

**Name of Agency: - G N Ramesh**

| Sl no | Description of work | Unit | As per sanction estimate | | | As per sanction and tender Quoted rates | | | Executed Qty Up to 125% Quantity | | | Above 125% new SR 2011-12 | | | Amount | Savings | Excess |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Qty. | Rate | Amount | Qty. | Rate | Amount | Qty. | Rate | Amount | Qty. | Rate | Amount | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 19 |
| 1 | Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.. (PWD SR 2014-15, Page No.138, Item No. 19.1) | Cum | 196.20 | 75.60 | 14832.72 | 196.20 | 75.60 | 14832.72 | 384.75 | 75.60 | 29087.10 | | | | | - | 14254.38 |
| 2 | Providing, laying, spreading and compacting graded stone aggregates to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. Specification No. 406 with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.( PWD SR 2014-15, P.No.154, 1 No.20.18) | Cum | 163.50 | 1438.56 | 235204.56 | 163.50 | 1438.56 | 235204.56 | 384.75 | 1438.56 | 553485.96 | | | | | - | 318281.40 |
| 3 | Providing and applying primer coat with S.S. Bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.6 kg / sqm using mechanical means complete as per specifications, with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.( PWDSR 2014-15, P.No.157, 1 No.21.6) | Sqm | 654.00 | 35.21 | 23027.34 | 654.00 | 35.21 | 23027.34 | 1539.00 | 35.21 | 54188.19 | | | | | - | 31160.85 |

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| 4 | Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50/75mm compacted thickness with 3.3% bitumen but excluding the cost of primer/tack coat with lead incl. cost of all materials, labour, HOM of machineries complete as per specifications with 80/100 grade bitumen using 40/60TPH capacity H.M.P with mechanical paver Gr II (50/75mm) with 3.3% VG-30 Bitumen as per the directions of Engineer-in-charge of the work ( PWDSR 2014-15, P.No.158, I No.21.11.6) | Cum | 32.70 | 6908.76 | 225916.45 | 32.70 | 6908.76 | 225916.45 | | | 0.00 | - | - | - | - | 225916.45 | - |
| 5 | Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous tratement including cost of all materials, labour, HOM of machineries complete as per specificationsEngineer-in-charge of the work ( PWDSR 2014-15, P.No.157, I No.21.20) . | Sqm | 5450.00 | 3.02 | 16480.80 | 5450.00 | 3.02 | 16459.00 | 3131.25 | 3.02 | 9456.38 | | | | | 7002.63 | |
| 6 | Providing and applying tack coat on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (exlcuding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications Engineer-in-charge of the work ( PWDSR 2014-15, P.No.157, I No.21.7) | Sqm | 5450.00 | 18.74 | 102122.10 | 5450.00 | 18.74 | 102133.00 | 3131.25 | 18.74 | 58679.63 | | | | | 43453.38 | - |
| 7 | Providing and laying semi dense bituminous concrete with 25-30mm TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.8 complete in all respects as per specifications. Item No. 21.20.1, Page no. 178, SR 2014-15 | Cum | 136.25 | 9851.76 | 1342302.30 | 136.25 | 9851.76 | 1342302.30 | | | 0.00 | | | | | 1342302.30 | |
| 8 | KSRRB 400-2.4: Carriage of mixed materials 10 Kms, For items of Sl.no 4. Rs. 5.20 per cum/km Page no 155/ PWD SR 2014-15 | Cum | 168.95 | 56.16 | 9488.23 | 168.95 | 56.16 | 9488.23 | 510.00 | 56.16 | 28641.60 | | | | | - | 19153.97 |

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| 10 | Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead ... Km a)Basic rate for haulage of materials ... per item No. 17.4/KSRRB : M100-4.1 ... Rs. 2.00 Tonne/Km b)Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c)Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 62.20 (P.150, I.no.18.57/1, PWD SR 2014-15) | Cum | 170.00 | 72.71 | 12359.95 | 170.00 | 72.71 | 12360.70 | 384.75 | 72.71 | 27975.17 | | | | | - | 15614.47 |
| | | | | | | | | | | | | | | | | | 398465.10 |
| | **EIRL** | | | | | | | | | | | | | | | | |
| 1 | Providing and laying bituminous concrete 30 - 40mm thickness Hot Mix Plant Usig using crushed aggregates of specified grading, premixed with bituminous binder at mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled vibratory and ttandem rollers to achieve the desired compaction as per MoRTH specification clause No. 500.9 complete in all respects with using 40 / 60 TPH Capacity With Sensor Paver Gr-II (30-45 mm ) With 6% VG-30 bitumen with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. ( PWDSR 2015-16, P.No.164, I No. 21.22.4) | Cum | | | | | | | 125.25 | 9696.72 | 1214514.18 | | | | | | 1214514.18 |
| | | | | **Total** | 1981734.46 | | | 1981724.30 | | **Total** | 1976028.20 | | | | | 1618674.75 | 1612979.25 |

The difference between Schedule "B" Quoted – ( Up to 125% +above 125% Qty.)

Rs.1981724.30 –Rs.1976028.20 = Rs.5696.10

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|---|---|
| **Work slip** | **761514** |
| **EIRL** | **1214514** |
| **Total** | **1976028** |

The difference between Excess – Savings

Rs.1618674.75 – Rs.1612979.25 = Rs.5695.10

Asst.Engineer
Ward No.13

Asst. Executive Engineer
Shettyhalli sub-division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

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